

HQMC
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E R R A T U M

to

MCO 3430.1 dtd 19 May 97

Policy for Information Operations

1. Please change the consecutive point number to read 3430.8 vice 3430.1.
It was incorrectly assigned prior to the printing process.

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DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
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MARINE CORPS ORDER 3430.8

From: Commandant of the Marine Corps
To: Distribution List

Subj: POLICY FOR INFORMATION OPERATIONS

Ref: (a) DODDir S 3600.1 (NOTAL)
(b) CJCSI 3210.01 (NOTAL)
(c) MCO 3430.5A

Encl: (1) Information Operations (IO) Responsibilities

1. Purpose. To provide policy, guidance and organizational relationships for Information Operations (IO).

2. Background

a. Reference (a) promulgated Department of Defense policy on IO. It provides the definition of IO, presents broad guidelines for its employment, and assigns specific responsibilities to the Secretaries of the Military Departments.

b. Reference (b) delineates the Joint Staff policy on Information Warfare (IW) and suggests methods for the CINCs to plan for and employ IW capabilities within their Areas of Responsibility.

c. Reference (c) is the policy for Command and Control Warfare (C2W), a military application of IW, within the Marine Corps, and delineates responsibilities for the coordination of C2W activities.

3. Definitions. The following terminology from references (a) and (b) applies.

a. Information System. The entire infrastructure, organization, personnel, and components that collect, process, store, transmit, display, disseminate and act on information.

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b. Information Superiority. The capability to collect, process, and disseminate an uninterrupted flow of information while exploiting or denying an adversary's ability to do the same.

c. Information Operations (IO). Actions taken to affect adversary information and information systems while defending one's own information and information systems.

d. Information Warfare (IW). IO conducted during time of crisis or conflict to achieve or promote specific objectives over a specific adversary or adversaries.

e. Information Assurance (IA). IO that protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality, and non-repudiation. This includes providing for restoration of information systems by incorporating protection, detection, and reaction capabilities.

f. Command and Control Warfare (C2W). The integrated use of Operations Security (OPSEC), Military Deception, Psychological Operations (PSYOP), Electronic Warfare (EW) and Physical Destruction, mutually supported by intelligence, to deny information to, influence, degrade or destroy adversary Command and Control (C2) capabilities, while protecting friendly capabilities against such actions.

4. Discussion

a. As defined in paragraph 3c, IO is both offensive and defensive. It focuses on the vulnerabilities and opportunities presented by the increasing dependence of military units and societies on information and information systems.

b. The timely flow of accurate information is critical to the formulation of national strategy and for the effective generation and application of combat power. IO both manipulates and protects stored information, information transfer links, information gathering and processing nodes, and the human interaction with information systems.

c. At the strategic level, IO seeks to affect hostile information systems to pre-empt or cease an adversary's actions that threaten U. S. national security interests. The ability to influence the perceptions and decision-making of others directly affects the effectiveness of deterrence, power projection and other strategic concepts.

d. If carefully conceived, coordinated and executed, IO can assist in deterrence, diffusing crises, reducing the period of confrontation, and enhancing the impact of diplomatic, economic and military efforts. Although Marine Air Ground Task Forces (MAGTF) may not typically receive direction to carry out IO at the strategic level, it is necessary that we understand the implications of strategic IO.

e. At the tactical and operational levels, IO targets the information-dependent processes, whether human or automated. The Marine Corps will focus its IO efforts at these levels -- during the crisis or conflict phase through the employment of IW, IA, and C2W. MAGTF staffs will plan and implement IW/C2W actions and coordinate external IW/C2W actions impacting MAGTF operations.

f. Potential adversaries can rapidly exploit information and information system technologies such as telecommunications, automated data processing, remote sensors, and other related systems.

g. The availability and relative low cost of advanced technologies in today's markets increases the likelihood that our adversaries will employ them. They can apply these technologies to advanced command and control systems; components of advanced weapons systems; or enhance existing information systems.

h. National-level infrastructures (economic, industrial and transportation systems) are those that support our national and military warfighting objectives. They are increasingly more dependent on automated control and information systems for their operation and, therefore, are lucrative IO targets.

i. IO applies across the range of military operations and at every level of conflict. Information Assurance (IA), the continuous IO defensive activities in both peace and conflict, is an inherent part of force protection.

5. Policy

a. The objective of the Marine Corps IO program is to provide the MAGTF with the capabilities necessary to conduct effective IO. Specifically:

(1) The Commandant of the Marine Corps, through the Deputy Chief of Staff for Plans, Policies and Operations will provide overall IO policy and guidance.

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(2) The Commanding General, Marine Corps Combat Development Command will develop IO concepts, doctrine, requirements, training and education.

(3) Commander, Marine Corps Systems Command will develop, field, and provide for maintenance and maintenance training of IO equipment.

(4) Commanders will incorporate IO capabilities into operational plans, and conduct training to ensure IO tactical and procedural expertise.

b. The G-3 or S-3 shall coordinate all IO planning and execution with the Joint Task Force IO planning cell, higher and adjacent planning cells, and other warfare and battlespace functional areas. They shall integrate into the maneuver warfare and combined arms strategies identified by the MAGTF commander to support CJTF objectives.

c. The primary focus of USMC offensive IO actions are C2 targets in the effort to achieve operational objectives. However, there must remain an awareness that capabilities exist outside of the strict IW and C2W definitions which will assist MAGTFs in mission accomplishment. These capabilities must be taken into account, requested from higher authorities, and planned for in all operations.

d. Marine Corps protects information, information systems, and information-based processes relative to the value of the data they contain, and the risks associated with their compromise or loss of access. Some examples of disciplines integral to IA success are:

- (1) Information Security
- (2) Cryptography
- (3) Operations Security
- (4) Counterintelligence
- (5) Physical security
- (6) Hardening of communications sites
- (7) Network security/System administration

e. IA expands the preceding areas to include measures and capabilities to detect and monitor attacks or intrusions and provide a response and restoral process. The response process involves determining actors and their motives, establishing cause and complicity, and may involve action(s) against perpetrators.

f. Training personnel in the concepts of IO is vital to enhancing the effectiveness of IO programs. Ensuring that personnel appreciate the vulnerabilities of their information systems and the opportunities found in adversary systems is critical to the success of IO.

g. IO offers a range of capabilities that will become increasingly important as technology advances, and as both we and our adversaries become more dependent on information systems. It will not, however, completely replace time-tested operational techniques. IO employment can shape perceptions and increase confusion of the adversary while providing more efficient and effective use of our resources to achieve our operational objectives.

6. Action. See the enclosure.

7. Reserve Applicability. This order is applicable to the Marine Corps Reserve.



Assistant Commandant
of the Marine Corps

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INFORMATION OPERATIONS (IO) RESPONSIBILITIES

1. Headquarters Marine Corps (HQMC)

a. The Deputy Chief of Staff for Plans, Policies and Operations (DC/S PP&O) provides overall IO policy and guidance. The DC/S PP&O:

(1) Acts as the Marine Corps point of contact to the Office of the Secretary of Defense (OSD), Joint Chiefs of Staff, Joint Command and Control Warfare Center, other Services, and other agencies regarding IO policy matters.

(2) Exercises principal staff cognizance over matters pertaining to Marine Corps IO policy.

(3) Coordinates with other staff agencies to support IO actions.

(4) Monitors and reviews Marine Corps policies, programs, doctrine, missions and concepts of employment; makes recommendations for change when appropriate.

(5) Coordinates the assignment of personnel to serve as members or observers of commissions, boards, advisory groups, committees and working groups external to the Marine Corps which require Marine Corps representation on IO matters.

(6) Participates with the Services, OSD, other agencies and private industry involving the exchange of information pursuant to improving Marine Corps IO capabilities.

(7) Participates in the formulation, review and evaluation of joint/allied IO actions and plans.

(8) Establishes Marine Corps IO objectives, policies and procedures consistent with DOD and Joint policies and directives.

(9) Establishes guidelines for the integration of IO into combined arms and maneuver warfare strategies of Marine Air Ground Task Forces (MAGTF).

(10) Monitors the operational employment of IO systems. Coordinates the suitability and changes to tactics for IO systems.

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(11) Serves as the principal staff agency on the Joint Warfare Capability Assessment (JWCA) for Information Operations and coordinates Marine Corps involvement in the IO JWCA process.

(12) Chairs the Marine Corps' IO Working Group.

(13) Participates in the budget review for all IO-related systems.

(14) Acts as the Military Occupational Specialty (MOS) sponsor for MOS 9634. This MOS is received upon successful completion of the Information Warfare curriculum at the Naval Postgraduate School.

(15) Monitors the activities of Marines assigned to the Fleet Information Warfare Center, the Air Force Information Warfare Center, the Naval Information Warfare Activity (NIWA), and the Land Information Warfare Activity to ensure USMC interests and requirements are acknowledged and addressed.

(16) Assists the Commanding General, Marine Corps Combat Development Command (MCCDC) in developing IO doctrine.

b. The Assistant Chief of Staff (AC/S) C41 is responsible for intelligence, counter-intelligence, defense of Marine Corps information systems, and other related activities in support of 10. The AC/S C41 for 10.

(1) Ensures Marine Forces receive intelligence support

(2) Exercises principal staff cognizance over IA actions which involve protecting Marine Corps information systems.

(3) Coordinates with the Defense Information Systems Agency, Defense Intelligence Agency, National Security Agency (NSA), and other appropriate DOD agencies on the following IO matters:

(a) Indication and warning methods to identify potential IO threats.

(b) Defensive capabilities requirements and programs.

(c) Defensive policy development and validation.

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(4) Represents Marine Corps interests in IA issues of the C2 JWCA process.

(5) Manages Defense Cryptologic Program funded Marine IO related programs.

(6) Provides personnel to serve as members or observers of boards, advisory groups or committees external to the Marine Corps which require representation from AC/S C41 on IO matters.

(7) Provides personnel to serve as members of the 10 Working Group.

c. The Deputy Chief of Staff for Aviation (DC/S AVN) will exercise the following IO-related responsibilities:

(1) Exercise principal staff cognizance over aviation IO systems, including requirements, operational capabilities, and acquisition sponsorship.

(2) Monitor the operational employment of aviation IO systems and make comments or recommendations on their adequacy.

(3) Provide personnel to serve as members or observers of boards, advisory groups or committees external to the Marine Corps which require representation from DC/S AVN on IO matters.

(4) Provide personnel to serve as members of the 10 Working Group.

d. The Deputy Chief of Staff Programs and Resources (DC/S P&R) will exercise the following IO-related responsibilities:

(1) Coordinates USMC involvement in the JWCA process.

(2) Directs, coordinates and supervises Marine Corps programming activities within the framework of the Planning, Programming, and Budgeting System to include IO requirements.

(3) Coordinates Marine Corps IO requirements to ensure harmony with the following:

(a) Budget, programming and resource realities.

(b) Defense Planning Guidance and Department of the Navy Planning Guidance.

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(c) Unified Commanders' Integrated Priorities List.

(4) Provides personnel to serve as members or observers of boards, advisory groups or committees external to the Marine Corps which require representation from DC/S P&R on IO matters.

e. The Deputy Chief of Staff for Manpower and Reserve Affairs (DC/S M&RA) will perform actions necessary to support Marine Corps IO forces and missions.

f. The Deputy Chief of Staff for Installations and Logistics (DC/S I&L) will exercise the following IO-related responsibilities:

(1) Coordinates with Commander, Marine Corps Systems Command (COMMARCORSSYSCOM) for the life cycle support of IO systems being developed for the Marine Corps.

(2) Provides personnel to serve as members or observers of boards, advisory groups or committees external to the Marine Corps which require representation from DC/S I&L on IO matters.

2. The Commanding General, Marine Corps Combat Development Command will exercise the following IO-related responsibilities:

a. Develop, assess and publish IO operational doctrine, tactics, techniques, studies, concepts, plans, procedures and requirements.

b. Conduct mission area analysis for all assigned IO mission areas.

c. Ensure that IO strategy is incorporated in all appropriate simulations, models and war games.

d. Ensure IO lessons learned and mission area analysis items enter the concept-based requirements system.

e. Establish priorities for acquisition of IO-related equipment through the Program Objective Memorandum process.

f. Monitor the progress of COMMARCORSSYSCOM in satisfying IO equipment requirements.

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g. Ensure Marine Corps personnel are provided continuous and progressive IO training throughout their careers, by integrating IO concepts and doctrine in Marine Corps schools and training programs, and by using courses offered through the DOD Interservice Training Review Organization Initiative for Joint IW Training process. This training will address both offensive and defensive aspects of IO.

h. Provide personnel to serve as members or observers of boards, advisory groups or committees external to the Marine Corps which require representation from CG MCCDC on IO matters.

i. Provide personnel to serve as members on the IO Working Group.

3. The Commanders, Marine Forces Atlantic, Pacific and Reserves will exercise the following IO-related responsibilities:

a. Ensure forces are trained in IO concepts and capabilities and how to integrate Marine Corps IO capabilities into JTF operations.

b. Ensure integration of IO into operations as a combined arm. This includes the consideration of IO during deliberate and crisis action planning processes.

c. Identify IO requirements (including Modeling and Simulation, and education) and submit appropriate mission need statements to CG MCCDC for validation when a deficiency is determined.

d. Develop IO intelligence requirements that support operational plans.

e. Provide personnel, as required, to serve on the IO Working Group.

4. The Commander, Marine Corps Systems Command will exercise the following IO-related responsibilities:

a. Conduct research, development and acquisition activities needed to satisfy requirements validated by CG MCCDC for new or upgraded IO equipment.

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b. Identify and evaluate new or improved technologies and advise CG MCCDC of any IO capabilities, that through the exploitation of these technologies, are achievable.

c. Execute Defense Cryptologic Program funded Marine IO related programs.

d. Provide personnel to serve as members or observers of boards, advisory groups or committees external to the Marine Corps which require representation from COMMARCORSYSCOM on IO matters.

e. Provide personnel to serve as members on the IO Working Group.

5. Commanding Officer, Marine Support Battalion will exercise the following IO-related responsibilities under the staff cognizance of AC/S C41

a. Manage Consolidated Cryptologic Program and assigned Tactical Intelligence and Related Activities funded Marine IO billets. Specific responsibilities are:

(1) Coordinate placement and relocation of billets with Commander Naval Security Group (CNSG), National Security Agency (NSA), and HQMC (PP&O and C41).

(2) Coordinate with HQMC (DC/S M&RA) to ensure qualified Marines fill the subject billets.

(3) Monitor the activities of Marines filling subject billets to ensure Marine Corps interests and requirements are acknowledged and addressed.

b. Serve as a Marine Corps advisor for IO related matters to CNSG, NSA and the NIWA.

c. As doctrine proponent for Signals Intelligence, ensure that SIGINT support to IO requirements are addressed.

d. Provide representation to the IO Working Group.

e. In coordination with HQMC (PP&O), serve as a Marine Corps representative to the IW Quarterly Management Review Board at NSA.

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